

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/683,880  
Source: IFW16  
Date Processed by STIC: 4/4/07

# ***ENTERED***

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/683,880

CRF Edit Date: 4/4/07  
Edited by: ZZ

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

☒ Deleted: ☐ invalid beginning/end-of-file text ; ☐ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



IFW16

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/683,880

DATE: 04/04/2007  
 TIME: 15:51:01

Input Set : A:\PTO.KD.txt  
 Output Set: N:\CRF4\04042007\J683880.raw

3 <110> APPLICANT: Lu, Kung Ping  
 4 Wulf, Gerbung  
 5 Xiao, Zhen Zhou  
 7 <120> TITLE OF INVENTION: PIN1 as a Marker for Abnormal Cell Growth  
 9 <130> FILE REFERENCE: BIZ-045CPCN  
 11 <140> CURRENT APPLICATION NUMBER: 10/683880  
 12 <141> CURRENT FILING DATE: 2003-10-09  
 14 <150> PRIOR APPLICATION NUMBER: 09/726464  
 15 <151> PRIOR FILING DATE: 2000-11-29  
 17 <150> PRIOR APPLICATION NUMBER: 60/167800  
 18 <151> PRIOR FILING DATE: 1999-11-29  
 20 <150> PRIOR APPLICATION NUMBER: 60/253676  
 21 <151> PRIOR FILING DATE: 2000-11-28  
 23 <160> NUMBER OF SEQ ID NOS: 2  
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 1014  
 29 <212> TYPE: DNA  
 30 <213> ORGANISM: Homo Sapiens  
 32 <400> SEQUENCE: 1

C--> 33 tgctggccag cacctcgagg gaag atg gcg gac gag gag aag ctg ccg ccc 51  
 34 Met Ala Asp Glu Glu Lys Leu Pro Pro  
 35 1 5  
 37 ggc tgg gag aag cgc atg agc cgc agc tca ggc cga gtg tac tac ttc 99  
 38 Gly Trp Glu Lys Arg Met Ser Arg Ser Ser Gly Arg Val Tyr Tyr Phe  
 39 10 15 20 25  
 41 aac cac atc act aac gcc agc cag tgg gag cgg ccc agc ggc aac agc 147  
 42 Asn His Ile Thr Asn Ala Ser Gln Trp Glu Arg Pro Ser Gly Asn Ser  
 43 30 35 40  
 45 agc agt ggt ggc aaa aac ggg cag ggg gag cct gcc agg gtc cgc tgc 195  
 46 Ser Ser Gly Gly Lys Asn Gly Gln Gly Glu Pro Ala Arg Val Arg Cys  
 47 45 50 55  
 49 tcg cac ctg ctg gtg aag cac agc cag tca cgg cgg ccc tcg tcc tgg 243  
 50 Ser His Leu Leu Val Lys His Ser Gln Ser Arg Arg Pro Ser Ser Trp  
 51 60 65 70  
 53 cgg cag gag aag atc acc cgg acc aag gag gag gcc ctg gag ctg atc 291  
 54 Arg Gln Glu Lys Ile Thr Arg Thr Lys Glu Glu Ala Leu Glu Leu Ile  
 55 75 80 85  
 57 aac ggc tac atc cag aag atc aag tcg gga gag gag gac ttt gag tct 339  
 58 Asn Gly Tyr Ile Gln Lys Ile Lys Ser Gly Glu Glu Asp Phe Glu Ser  
 W--> 59 90 95 100  
 61 ctg gcc tca cag ttc agc gac tgc agc tca gcc aag gcc agg gga gac 387  
 62 Leu Ala Ser Gln Phe Ser Asp Cys Ser Ser Ala Lys Ala Arg Gly Asp

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/683,880

DATE: 04/04/2007

TIME: 15:51:01

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04042007\J683880.raw

```

63          110          115          120
65 ctg ggt gcc ttc agc aga ggt cag atg cag aag cca ttt gaa gac gcc 435
66 Leu Gly Ala Phe Ser Arg Gly Gln Met Gln Lys Pro Phe Glu Asp Ala
67          125          130          135
69 tcg ttt gcg ctg cgg acg ggg gag atg agc ggg ccc gtg ttc acg gat 483
70 Ser Phe Ala Leu Arg Thr Gly Glu Met Ser Gly Pro Val Phe Thr Asp
71          140          145          150
73 tcc ggc atc cac atc atc ctc cgc act gag tgagggtggg gagcccaggc 533
74 Ser Gly Ile His Ile Ile Leu Arg Thr Glu
75          155          160
77 ctggcctcgg ggcagggcag ggcggctagg cgggccagct ccccttgcc cgccagccag 593
79 tggccgaacc cccactccc tgccaccgtc acacagtatt tattgttccc acaatggctg 653
81 ggagggggcc cttccagatt gggggccctg ggggtcccccac tccctgtcca tccccagttg 713
83 gggctgcgac cgccagattc tcccttaagg aattgacttc agcaggggtg ggaggctccc 773
85 agaccaggg cagtgtggtg ggaggggtgt tccaaagaga aggcctggtc agcagagccg 833
87 ccccggtgcc cccaggtgc tggaggcaga ctcgagggcc gaattgtttc tagttaggcc 893
89 acgctcctct gttcagtcgc aaaggtgaac actcatgcgg cagccatggg ccctctgagc 953
91 aactgtgcag accctttcac cccaattaa acccagaacc actaaaaaaaa aaaaaaaaaa 1013
93 a          1014
95 <210> SEQ ID NO: 2
96 <211> LENGTH: 163
97 <212> TYPE: PRT
98 <213> ORGANISM: Homo Sapiens
100 <400> SEQUENCE: 2
101 Met Ala Asp Glu Glu Lys Leu Pro Pro Gly Trp Glu Lys Arg Met Ser
102 1          5          10          15
104 Arg Ser Ser Gly Arg Val Tyr Tyr Phe Asn His Ile Thr Asn Ala Ser
105          20          25          30
107 Gln Trp Glu Arg Pro Ser Gly Asn Ser Ser Ser Gly Gly Lys Asn Gly
108          35          40          45
110 Gln Gly Glu Pro Ala Arg Val Arg Cys Ser His Leu Leu Val Lys His
111          50          55          60
113 Ser Gln Ser Arg Arg Pro Ser Ser Trp Arg Gln Glu Lys Ile Thr Arg
114 65          70          75          80
116 Thr Lys Glu Glu Ala Leu Glu Leu Ile Asn Gly Tyr Ile Gln Lys Ile
117          85          90          95
119 Lys Ser Gly Glu Glu Asp Phe Glu Ser Leu Ala Ser Gln Phe Ser Asp
120          100          105          110
122 Cys Ser Ser Ala Lys Ala Arg Gly Asp Leu Gly Ala Phe Ser Arg Gly
123          115          120          125
125 Gln Met Gln Lys Pro Phe Glu Asp Ala Ser Phe Ala Leu Arg Thr Gly
126          130          135          140
128 Glu Met Ser Gly Pro Val Phe Thr Asp Ser Gly Ile His Ile Ile Leu
129 145          150          155          160
131 Arg Thr Glu

```

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/683,880

DATE: 04/04/2007

TIME: 15:51:02

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04042007\J683880.raw

L:33 M:112 C: (48) String data converted to lower case,

M:112 Repeated in SeqNo=1

L:59 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1

# **Raw Sequence Listing before editing (for reference only)**

\_\_\_\_\_



IFW16

## RAW SEQUENCE LISTING

DATE: 03/27/2007

PATENT APPLICATION: US/10/683,880

TIME: 16:43:09

Input Set : A:\seq. list..txt

Output Set: N:\CRF4\03272007\J683880.raw

3 <110> APPLICANT: Lu, Kung Ping  
 4 Wulf, Gerbung  
 5 Xiao, Zhen Zhou  
 7 <120> TITLE OF INVENTION: PIN1 as a Marker for Abnormal Cell Growth  
 9 <130> FILE REFERENCE: BIZ-045CPCN  
 11 <140> CURRENT APPLICATION NUMBER: 10/683880  
 12 <141> CURRENT FILING DATE: 2003-10-09  
 14 <150> PRIOR APPLICATION NUMBER: 09/726464  
 15 <151> PRIOR FILING DATE: 2000-11-29  
 17 <150> PRIOR APPLICATION NUMBER: 60/167800  
 18 <151> PRIOR FILING DATE: 1999-11-29  
 20 <150> PRIOR APPLICATION NUMBER: 60/253676  
 21 <151> PRIOR FILING DATE: 2000-11-28  
 23 <160> NUMBER OF SEQ ID NOS: 2  
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply  
Corrected Diskette Needed

(pg. 2)

## ERRORED SEQUENCES

95 <210> SEQ ID NO: 2  
 96 <211> LENGTH: 163  
 97 <212> TYPE: PRT  
 98 <213> ORGANISM: Homo Sapiens  
 100 <400> SEQUENCE: 2  
 101 Met Ala Asp Glu Glu Lys Leu Pro Pro Gly Trp Glu Lys Arg Met Ser  
 102 1 5 10 15  
 104 Arg Ser Ser Gly Arg Val Tyr Tyr Phe Asn His Ile Thr Asn Ala Ser  
 105 20 25 30  
 107 Gln Trp Glu Arg Pro Ser Gly Asn Ser Ser Ser Gly Gly Lys Asn Gly  
 108 35 40 45  
 110 Gln Gly Glu Pro Ala Arg Val Arg Cys Ser His Leu Leu Val Lys His  
 111 50 55 60  
 113 Ser Gln Ser Arg Arg Pro Ser Ser Trp Arg Gln Glu Lys Ile Thr Arg  
 114 65 70 75 80  
 116 Thr Lys Glu Glu Ala Leu Glu Leu Ile Asn Gly Tyr Ile Gln Lys Ile  
 117 85 90 95  
 119 Lys Ser Gly Glu Glu Asp Phe Glu Ser Leu Ala Ser Gln Phe Ser Asp  
 120 100 105 110  
 122 Cys Ser Ser Ala Lys Ala Arg Gly Asp Leu Gly Ala Phe Ser Arg Gly  
 123 115 120 125  
 125 Gln Met Gln Lys Pro Phe Glu Asp Ala Ser Phe Ala Leu Arg Thr Gly  
 126 130 135 140  
 128 Glu Met Ser Gly Pro Val Phe Thr Asp Ser Gly Ile His Ile Ile Leu

## RAW SEQUENCE LISTING

DATE: 03/27/2007

PATENT APPLICATION: US/10/683,880

TIME: 16:43:09

Input Set : A:\seq. list..txt

Output Set: N:\CRF4\03272007\J683880.raw

129 145

150

155

160

131 Arg Thr Glu

E--&gt; 132 BIZ-045CPCN

E--&gt; 137 1

A handwritten word "deleted" in cursive script, with a long arrow pointing from the word to the circled text "BIZ-045CPCN" in the line above.



## VERIFICATION SUMMARY

DATE: 03/27/2007

PATENT APPLICATION: US/10/683,880

TIME: 16:43:11

Input Set : A:\seq. list..txt

Output Set: N:\CRF4\03272007\J683880.raw

L:33 M:112 C: (48) String data converted to lower case,

M:112 Repeated in SeqNo=1

L:59 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1

L:132 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2

L:132 M:333 E: Wrong sequence grouping, Amino acids not in groups!

L:132 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1

M:332 Repeated in SeqNo=2

L:137 M:252 E: No. of Seq. differs, &lt;211&gt; LENGTH:Input:163 Found:164 SEQ:2